

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of the Claims:**

Claims 1-4 (canceled without prejudice)

5. (New) A nano carbon ball for deodorization comprising a porous carbon shell having a spherical hollow core, and at least one metal selected from the group consisting of a transition metal, an oxidized transition metal, an alkali metal salt and mixtures thereof, wherein said metal is impregnated into the shell.

6. (New) The nano carbon ball according to claim 5, wherein the transition metal is selected from the group consisting of copper, iron, manganese, nickel, cobalt, silver, gold, vanadium, ruthenium, titanium, chrome, zinc and palladium.

7. (New) The nano carbon ball according to claim 5, wherein the oxidized transition metal is selected from the group consisting of oxidized copper, iron, manganese, nickel, cobalt, silver, gold, vanadium, ruthenium, titanium, chrome, zinc and palladium.

8. (New) The nano carbon ball according to claim 5, wherein the alkali metal salt is selected from the group consisting of sodium bromide, sodium iodide, potassium bromide, potassium iodide and potassium iodate.

9. (New) The nano carbon ball according to claim 6, wherein the transition metal is copper and manganese.

10. (New) The nano carbon ball according to claim 6, wherein the transition metal is copper, iron and zinc.

11. (New) The nano carbon ball according to claim 6, wherein the transition metal is vanadium, ruthenium and titanium.

12. (New) The nano carbon ball according to claim 8, wherein the alkali metal salt is potassium iodide.

13. (New) The nano carbon ball according to claim 5, wherein an amount of the impregnated metal is from 0.01 wt. % to 30 wt. % on the basis of a total weight of the nano carbon ball.

14. (New) The nano carbon ball according to claim 13, wherein the amount of the impregnated metal is from 0.01 wt. % to 10 wt. % on the basis of a total weight of the nano carbon ball.

15. (New) The nano carbon ball according to claim 5, wherein the spherical hollow core has a diameter of from 10 nm to 1,000 nm.

16. (New) The nano carbon ball according to claim 15, wherein the porous carbon shell has a thickness of from 50 nm to 500 nm.

17. (New) The nano carbon ball according to claim 5, wherein the nano carbon ball is used for deodorizing or eliminating odor of methanethiol, methyl sulfide, dimethyl disulfide, hydrogen sulfide, ammonia, trimethyl amine, styrene, acetaldehyde, nitric oxide, nitrous oxide, tobacco, or smell generated from bathroom, kitchen or footwear.

18. (New) The nano carbon ball according to claim 5, wherein the nano carbon ball is used for deodorizing or eliminating odor of a human.

19. (New) The nano carbon ball according to claim 5, wherein the nano carbon ball is used for a diaper or a hygiene product.